

CLIMATOLOGICAL DATA FOR APRIL, 1911.

DISTRICT No. 3, OHIO VALLEY.

FERDINAND J. WALZ, District Editor.

GENERAL SUMMARY.

The dominant characteristics of the weather conditions prevailing over the Ohio Valley during the month of April, 1911, were the persistence of unseasonably low temperatures, the large excess of precipitation, and the remarkable frequency with which rain, in considerable and even large amounts, occurred.

The month is classed as cold and wet for the entire district, while over most of the southern and parts of the eastern States comprised in the district it was the wettest April, save one, in the past quarter of a century. Frost and freezing temperatures occurred on numerous dates in nearly all parts of the district during the first two and a half decades of the month. On the morning of the 2d temperatures were remarkably low. One station, Deer Park, Md., reported a minimum of zero; at many other stations it was below 10° and at practically all stations below 32°. Snow fell over much of the district during the first two days and over the more elevated portion at intervals up to the 23d.

The month as a whole was decidedly unfavorable for the germination of seeds, vegetation growth, and outdoor work. The ground remained damp and cold, and vegetation did not make the progress usual during April. Fruit buds and tree foliage, especially in the more northerly sections, were backward. It is thought that this proved advantageous rather than detrimental in the end, as the retardation prevented in large measure serious injury from the frost and freezing weather so prevalent during the month. Consequently the month while not seasonably favorable was not seriously damaging. Much greater damage resulted probably from the heavy rains, floods, and wetness than from cold weather.

Thunderstorms were unusually numerous, and hail frequently attended them, with resulting damage. The occurrence of thunderstorms and snow storms at the same time over much of the northern portion of the district in the early days of the month was noteworthy.

The general pressure areas and barometric disturbances affecting the district during the month, briefly summarized, are as follows: The month opened with an area of high pressure attended by fair and cold weather. By the afternoon of the 2d a barometric disturbance, then centered in western Texas, began to push into the lower Ohio Valley. This disturbance drifted slowly northeastward with increasing development and dominated the general weather conditions during the 3d, 4th, and 5th. By the 6th another disturbance had moved into the Mississippi Valley from the central Rocky Mountain section. This disturbance moved rapidly northeastward during the 6th, and by the morning of the 7th had been succeeded by an area of high pressure over the central valleys. High pressure largely dominated until the 13th

when a long trough of low pressure moved across the central valleys. This was followed by an area of high pressure which continued until the 18th, when another long trough-shaped barometric depression moved into the Mississippi Valley and with increasing energy on through the Ohio Valley on the 19th. On the 22d an area of high pressure overspread the district and continued until the 29th, when another long barometric disturbance moved into the central valleys from the central Plains States and was still much in evidence over the district at the end of the month.

TEMPERATURE.

The temperature averaged from 1° to 3° below normal in practically all parts of the district, and while these deficiencies are not large, yet the month is easily classed as an exceptionally cold April, due to unseasonably cool weather being so persistent. In western Pennsylvania it is stated that only three Aprils have had a lower average temperature during the past 24 years, and in West Virginia only five in the past 20 years.

The month began cold, with freezing temperatures in nearly all parts of the district. It continued remarkably cold generally during the first two days and over the sections north of the Ohio River and the more easterly sections during the first three days. The average daily temperature during this period ranged from 8° to 16° below normal, while minimum temperatures registered in the several sections of the district ranged as follows: Western New York, 6° to 10°; western Pennsylvania: 10° to 20°; Maryland, 0° to 11°; West Virginia and Ohio, 6° to 30°; western Virginia, 16° to 26°; western North Carolina and Kentucky and Tennessee, 19° to 30°; and near freezing in the northern portions of Georgia and Alabama.

During the 3d a warm wave passed over the west central sections of the district and maximum temperatures of 80° to 90° were registered at stations in southern Illinois and the western portions of Kentucky and Tennessee. At a number of these stations the highest temperature of the month was recorded. But, in the main, the warmest day was the 6th, when a general warming up after the 3d culminated on that day in remarkably high temperature over all the district. Maximum temperatures of 75° to 85° were registered in all sections of the district and 85° to 90° at many stations. A decided change to colder set in by the early morning of the 7th, and during the succeeding nearly three weeks unseasonably low temperatures were the rule. Frost and freezing temperatures occurred on numerous dates in this period and as late as the 25th. Little damage, however, occurred other than a general retarding of the growth and development of vegetation. In some respects it is

thought that the retardation might in the end prove beneficial. The air and ground warmed up rapidly beginning with the 26th, and moderately high day temperature obtained the rest of the month.

PRECIPITATION.

The precipitation for the month varied in amount from 2.5 to 4 inches over the upper watersheds of the Allegheny River in Pennsylvania and New York, and from 3 to 4 inches over the upper drainage area of the Muskingum and Great Miami Rivers in Ohio, to from 10 to 15 inches in the Tennessee River Basin and the upper watershed of the Cumberland River in southeastern Kentucky. Six inches or more of rain fell over the southern portions of Illinois and Indiana, the greater portion of Kentucky, practically all of Tennessee, and over the area of the district lying south of that State. From 4 to 6 inches fell over the remainder of Illinois, Indiana, and Kentucky, over nearly all of Ohio, West Virginia, southwestern Virginia and western Pennsylvania, and from 2.5 to 4 inches over the small remainder of the district.

Precipitation was above the normal for April at all stations where the amounts were 4 inches or more. In Kentucky, Tennessee, and the portions of Alabama, Georgia, and North Carolina located in the Ohio River drainage area the rainfall was the greatest for any April during the past 25 years, except in 1892, and at some stations in this area it surpassed that of April, 1892. The greatest amount of rainfall at any station in the district occurred at Chattanooga, Tenn., 15.29 inches, which is the heaviest on record for April in Tennessee. In Ohio the average rainfall of the month, 4.61 inches, while not large in comparison with the amount in the southern section of the district, is greater for that State than that of any other April of record, except in 1893. Excessive rains, 24-hour amounts, ranging from 2.50 to 4.14 inches fell in Alabama on the 4th, 5th, and 7th. In connection with the remarkably heavy rains in Tennessee the section director says:

The monthly rainfall was the heaviest on record for April during the last 29 years, and in only one instance (that of 1892) has the average for April come anywhere near the amount for the present month. While the number of rainy days was as large as ever before recorded, the heavy monthly totals were due largely to the excessive amounts on the 4th-5th, when 28 stations received 24-hour amounts in excess of 2.50 inches; the amounts ranged, in fact, from 2.50 to 6.60 inches, mostly above 3 inches. Many streams overflowed, washouts occurred on railroad tracks in east Tennessee, some trestles were badly damaged or swept away, bottom lands were overflowed, hillsides and county roads badly washed, fences damaged, and along the rivers logs and other property were carried away by the high waters. This occurred mostly in the middle portions of the Tennessee River Valley, especially in the vicinity of and below Chattanooga where the heaviest rains fell. At Chattanooga 1.17 inches of rain fell in 32 minutes, 2.30 inches in 2 hours and 10 minutes, and 6.60 inches in 9 hours and 59 minutes on the 4th, and on the 7th 1 inch fell in 26 minutes.

In Kentucky the rainfall was largely in excess, averaging 7.06 inches, or 3.41 inches above the normal for the whole State, while excesses at individual stations ranged between 1.5 and 9 inches. Heavy rains occurred generally during several days in each decade, and excessive rains fell over a large area of the State on the 30th. On this date 24-hour amounts of from 2.5 to 5 inches occurred at a number of stations, while at one station there were 6.27 inches and at another 9.05 inches. The latter amount occurred at Edmonton and is one of the heaviest rainfalls in 24 hours on record in the State. Great and widespread damage was done by these excessive rains in the west central and southern portions of the State, but particularly in the south-central section. In Barren,

Metcalf, Adair, and bordering counties great damage was done to farms, crops, fences, buildings, and bridges by the floods.

Precipitation occurred with unusual frequency even for the month of April, in fact there were but 4 or 5 days at most when precipitation in considerable amount did not occur over large areas. The principal periods with precipitation, when more or less large amounts occurred, were the 2d-9th, 11th-15th, 19th-23d, and the 28th-30th. In each of these periods the rains were not only general but often heavy.

SNOWFALL.

Snow fell quite generally over the more northerly and the more easterly sections on the first two or three days of the month and in Ohio and over the mountain sections of Pennsylvania and West Virginia at infrequent intervals as late as the 23d. The total amounts for the month over the States or portions of States in this district where the snowfall was worth regarding at all were as follows: In western New York, 6.5 to 8.5 inches; in western Pennsylvania it averaged slightly over 5 inches and ranged from 1 inch to 18.3 inches, the latter amount being measured at Somerset, elevation 2,250 feet above sea level; in western Maryland, 6 to 12 inches; in West Virginia, 0 to 6 inches; in Ohio, 2 to 6 inches fell in the early part of the month over northern and middle counties, but none in southern counties; in Indiana, trace to 5 inches; and in Illinois, trace to 3.6 inches. Rather severe thunder and lightning attended a snowstorm in northeastern Illinois on the 2d. At Hoopeston, where nearly 4 inches of snow fell during the progress of this storm, a barn was struck by lightning and burned.

RIVERS AND FLOODS.

The following notes are extracted from the reports of section directors and other officials in charge of river districts in the Ohio River Basin:

Pennsylvania and West Virginia.—Streams maintained good stages and reservoirs were well supplied with water in Pennsylvania during the month, while in West Virginia rivers were low or at moderate stages.

Ohio.—Heavy rains on the 3d, 4th, and 5th caused high water in the rivers of the State, but there were no overflows, except along the Scioto in Pickaway County.

Kentucky.—The Kentucky River reached a high stage about the 8th, but did not pass the flood stage at any station. Freshets from the heavy rains occurred in other rivers of the State at several different times, but especially in the rivers whose drainage areas occupy the western and southern portions of the State.

Wabash River.—A moderate rise began in the Wabash River and tributaries about Mount Carmel on the 3d. Flood stage was passed on the morning of the 9th and a stage of 16.1 feet was reached on the 11th, after which there was a fall during two days. Heavy rains over the watershed on the 13th and 14th started another rise, which continued until the 22d, when a stage of 19.6 feet was reached. The river was above flood stage at Mount Carmel from the 9th to the 26th, inclusive, notwithstanding the fact that Elliston, on the West Fork of the White River, was the only station in the river system above Mount Carmel that reported any flood stages. The amount of damage done in the Wabash River sections is estimated at about \$10,000. Nearly half of this damage was done in and about Mount Carmel, Ill.

Cumberland and Tennessee Rivers.—The excessive rains of the 4th-5th caused rapid rises during the following 10

TABLE 1.—*Climatological data for April, 1911. District No. 3, Ohio Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>New York.</i>																				
Allegany.	Cattaraugus.	1,441	5	42.6	-0.0	77	27†	6	3	45	2.87	-0.50	0.53	8.2	13	8	8	14	nw.	Charles E. Whitney.
Bolivar.	Allegany.	1,800	17	43.0	-0.0	78	28†	7	3	45	2.27	-0.50	0.59	8.5	12	9	14	7	nw.	B. O. Newton.
Olean.	do.	3									2.57		0.63	6.8	11	12	5	13	e.	John W. Alles.
<i>Pennsylvania.</i>																				
Aleppo.	Greene.	1,135	10	47.9	-1.3	78	6	12	2	43	3.59	-0.22	0.65	2.0	17	10	7	13	sw.	J. S. Hinerman.
Baldwin.	Butler.	1,404	5	44.8	-0.0	74	28	16	2	38	3.25	-0.22	0.75	11.5	15	11	6	13	w.	S. H. Templeton.
Beaver Dam.	Beaver.	674	17								5.09	+ 2.12	1.31	1.7	12	3	3	15	ne.	U. S. Engineer.
Brookville.	Jefferson.	1,173	0	45.6	-	75	28†	18	2	47	1.66	-	0.47	2.9	12				w.	H. C. Bartholomew.
Clarion.	Clarion.	1,078	26								4.12	+ 0.61	0.85	5.0	11	10	3	17	w.	J. A. Miller.
Claysville.	Washington.	1,127	7	49.0	-	79	0†	14	2	47	4.51	-	0.65	6.2	20	8	12	10	w.	E. T. Buchanan.
Confluence.	Somerset.	1,352	27								4.73	+ 1.26	0.82	6.0	18	7	7	16	ne.	Grant Pyle.
Franklin.	Venango.	955	37	44.0	-2.1	73	27	18	1	38	4.56	+ 1.94	0.69	1.7	14	11	5	14	nw.	F. E. Dixon.
Freeport.	Armstrong.	772	38								4.93	+ 1.67	0.87	3.8	16	11	4	15	sw.	Mrs. Anna R. Burtner.
Greensboro.	Green.	768	23								3.94	+ 0.52	0.58	2.0	19	7	3	20	nw.	James G. Cramer.
Greenville.	Mercer.	950	15	45.2	-6	76	28	13	1	42	3.49	+ 0.52	0.55	1.2	14	16	6	8	nw.	A. M. Orr.
Indiana.	Indiana.	1,350	14	46.5	-3.2	79	27	14	2	41	4.99	+ 0.51	0.80	8.5	15	13	5	12	s.	R. W. Wehrle.
Johnstown.	Cambria.	1,184	23	47.6	-1.9	79	26	16	2	46	4.85	+ 1.04	0.89	7.4	19	5	12	13	se.	E. C. Lorentz.
Lock No. 4.	Washington.	718	25								4.30	+ 1.10	0.56	0.7	18	5	12	13	sw.	R. T. McGowan.
Lycippus.	Westmoreland.	1,420	19	47.4	-1.7	78	6	17	2	41	4.77	+ 1.18	1.07	5.5	18				sw.	Murray Forbes.
Pittsburg.	Allegheny.	842	41	48.1	-2.9	78	6	22	2	34	5.42	+ 2.52	0.68	5.9	18	7	10	13	nw.	U. S. Weather Bureau.
Saegerstown.	Crawford.	1,116	20	44.0	-1.0	77	28†	10	1	40	3.11	+ 0.18	0.68	6.0	15	6	11	13	sw.	J. G. Apple.
Skidmore.	Lawrence.	1,000	7	45.8	-	75	28†	12	2	41	3.80	-	0.75	2.0	9	15	1	14	sw.	W. H. Stoner.
Somersett.	Somerset.	2,250	55	43.0	-3.1	74	29	10	2	37	5.85	+ 1.38	1.15	18.3	18	3	17	10	nw.	W. M. Schrock.
Uniontown.	Fayette.	999	23	48.6	-2.0	80	6	20 ^a	2	30 ^a	3.80	+ 0.21	0.42	3.0	15	13	4	13	sw.	Wm. Hunt.
Warren.	Warren.	1,137	22	44.3	+ .3	79	29	13	2†	43	3.93	+ 0.78	1.40	5.0	13	13	1	16	nw.	Anna Simpson.
<i>Maryland.</i>																				
Deer Park.	Garrett.	17	43.7	-1.1	77	29	0	2	52	3.75	+ 0.14	0.72	6.0	13					w.	S. P. Specht.
Grantsville.	do.	17	42.6	-3.0	72	0†	11	2	33	3.56	+ 0.16	0.60	12.0	17	7	4	19	w.	G. S. Miller.	
Oakland.	do.	11	43.2	-	75	6	3	2	40	3.77	-	0.40	9.5	20	8	10	12	w.	R. E. Weber.	
<i>West Virginia.</i>																				
Bancroft.	Putnam.	574	10	53.2	-	88	6	21	2	46	4.19	+ 0.20	0.73	0.5	20	9	3	18		James Hill.
Beckley.	Raleigh.	2,440	12	47.1	-1.3	74	29	17	2	41	4.20	+ 2.63	0.90	0	11	7	5	18	w.	John A. Ewart.
Bens Run.	Pleasants.	622	10	51.1	-0.2	82	6	20	2	40	5.34	+ 0.90	0.77	3.0	17	14	6	10		J. D. Riggs.
Bluefield.	Mercer.	2,563	17	49.5	-4.7	76	7	22	1†	36	5.14	+ 1.77	0.80	0	12	8	7	15		Norfolk & Western R. R.
Buckhannon.	Upshur.	1,472	20	49.0	-1.9	80	6	17	2	40	5.19	+ 0.93	1.25	T.	15	11	5	14		H. A. Darnall.
Cairo.	Ritchie.	667	10	51.4	-3.0	83	7	15	2	40	2.91	+ 0.92	0.50	0	15	2	2	1	w.	Van A. Zevely.
Central Station.	Doddridge.	900	11	47.8	-2.8	81	6	12	2	47	3.47	-0.06	0.67	1.0	16	4	11	15	w.	G. W. Sherwood.
Charleston.	Kanawha.	598	14	55.1	-	83	6	25	2	40	4.38	+ 0.76	0.80	0	14	8	11	11	w.	R. C. Hewes.
Creston.	Wirt.	612	11	51.4	-0.2	82	6	17	2	47	4.79	+ 0.70	1.17	0	15	6	8	16	w.	J. M. Reed.
Cuba.	Jackson.	544	10	51.4	-0.5	83	6	11	2	43	4.78	+ 1.63	1.21	T.	14	4	18	8	sw.	C. T. Perry.
Elkhorn.	McDowell.	1,933	19	50.2	-2.9	78	6	22	2	38	4.67	+ 1.16	1.01	10	11	10	6	14	e.	J. J. Lincoln.
Randolph.	Randolph.	1,940	13	47.2	-1.6	79	6	18	2	43	5.26	+ 1.97	0.88	4.5	20	5	7	18	w.	U. S. Weather Bureau.
Fairmont.	Marion.	879	18	50.9	-	82	6	17	2	47	4.28	+ 0.67	0.72	2.0	19				sw.	H. Glenn Fleming.
Glenville.	Gilmer.	738	23	51.9	-0.7	83	6	18	2	40	4.29	+ 0.54	0.75	0.5	13	6	3	21		John Holt.
Grafton.	Taylor.	985	18	50.2	-1.0	82	6†	11	2	45	4.45	+ 0.60	0.89	T.	18	11	4	15		John W. Snider.
Summers.	Summers.	1,600	16	49.4	-1.1	80	6	19	2	44	5.66	+ 0.21	1.17	T.	16	4	13	13	w.	Arthur George.
Hinton.	do.	1,400	21	50.4	-2.9	82	6	23	2	44	4.01	+ 0.75	0.78	0	17	11	2	17	sw.	J. B. Lavender, C. E.
Huntington.	Cabell.	510	17	52.0	-1.4	84	6	21	2	42	4.00	+ 0.27	0.60	0	17	12	3	16	w.	L. H. Hutchinson.
Lewisburg.	Greenbrier.	2,200	11	47.64	-2.1	77	6	18 ^a	2	39 ^a	4.43	+ 1.13	0.74	0	14	14	10	6	se.	Geo. T. Argabrite.
Logan.	Logan.	665	10																	H. C. Ragland.
Lost Creek.	Harrison.	1,033	15	48.2	-1.5	81	6	13	2	44	4.16	+ 0.67	1.06	T.	11	12	2	16	w.	Allen Smith.
Madison.	Boone.	704	8																	S. E. Bradley.
Mannington.	Marion.	967	10	49.0	-	80	6	16	2	43	5.65	+ 1.35	0.75	3.4	20	10	6	14	w.	Jas. A. Morgan.
Marlinton.	Pocahontas.	2,169	17	44.0	-3.4	74	29	16	2	49	4.48	+ 1.55	1.20	0	11	13	7	9		C. J. McCarty.
Morgantown.	Monongalia.	1,250	36	49.6	-1.5	78	6†	16	2	36	4.87	+ 1.49	0.89	4.5	12	4	14		w.	Horace Atwood.
Moundsville.	Marshall.	640	10	50.6	-1.1	80	6†	17	2	45	3.85	+ 0.66	0.66	2.0	16	12	2	16		M. L. Brown.
New Cumberland.	Hancock.	987	14	47.6	-1.7	77	7	18	2	42	4.17	+ 0.65	0.70	T.	12	7	5	18	s.	Frank S. Evans.
New Martinsville.	Wetzel.	634	18	51.2	-1.6	82	6	21	2	43	4.77	+ 1.22	0.75	T.	11	4	10	10	w.	Wm. Ankrum.
Nuttallburg.	Fayette.	2,252	18	45.6	-	72	6†	20	2	38	3.20	-0.09	0.70	T.	10	13	7	9		Miss Donna Tully.
Parkersburg.	Wood.	638	23	51.3	-1.8	82	6	21	2	35	4.01	+ 1.10	0.89	T.	18	11	2	12		U. S. Weather Bureau.
Parsons.	Tucker.	1,662	12	47.2	-1.0	81	6	11	2	47	5.58	+ 1.79	0.73	6.0	19	7	14	9	w.	J. W. Swisher.
Philipps.	Barbour.	1,192	18	49.4	-1.1	81	6	16	2	47	4.79	+ 0.74	0.73	1.0	19	7	14	9	w.	J. D. Dadisman.
Pickens.	Randolph.	2,785	20	46.4	-1.5	82	6	8	2	47	6.55	+ 1.03	1.04	4.0	13	7	9	14		Dr. J. L. Cunningham.
Pineville.	Wyoming.	2																		W. V. Senter.
Point Pleasant.	Mason.	553	21	51.4	-3.4	85	6	20	2	45	4.66	+								

TABLE 1.—*Climatological data for April, 1911. District No. 3—Continued.*

Stations.	Counties.	Temperature, in degrees Fahrenheit.												Precipitation, in inches.												Observers.	
		Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.								
Ohio—Continued.																											
Camp Denison.	Hamilton.	570	18	51.0	- 1.7	81	6	23	2	41	5.18	+ 2.43	0.99	T.	17	10	14	6	se.	Henry F. Pinkvoss.							
Canal Dover.	Tuscarawas.	884	18	47.0	- 1.1	76	6	15	1	40	4.49	+ 1.40	0.68	T.	15	8	12	10	s.	Ed. S. Slingluff.							
Canton.	Stark.	1,089	23	48.2	+ 0.1	76	6	21	2	36	4.35	+ 1.22	1.12	2.4	19	12	4	14	nw.	Carl H. Meyer.							
Cardington.	Morrow.	1,010	16	47.6	- 1.3	75	6	18	1†	36	3.50	+ 0.45	0.96	1.4	12	—	—	—	se.	J. W. Shaw.							
Chillicothe.	Ross.	630	8	52.2	- 2.1	82	6	29	2	42	5.23	+ 2.28	1.45	0.0	17	4	10	16	se.	Marion Mackey.							
Cincinnati.	Hamilton.	628	40	52.2	- 2.1	82	6	21	2	35	5.01	+ 2.28	1.04	4.2	20	6	8	16	sw.	U. S. Weather Bureau.							
Circleville.	Pickaway.	694	23	50.3	- 1.6	81	6	21	2	39	4.46	—	0.75	0.4	19	7	9	14	n.	Col. S. Tschappat.							
Clarington.	Monroe.	600	8	49.8	—	86	30	17	2	47	4.37	+ 1.50	0.77	2.5	17	—	—	—	sw.	U. S. Weather Bureau.							
Columbus.	Franklin.	918	33	49.0	- 2.0	79	6	25	2	40	4.99	—	1.00	—	18	5	12	3	se.	Mrs. Ada Jeffries.							
Coshocton.	Coshocton.	770	2	49.3	- 2.4	79	6	21	2	35	5.87	+ 3.19	1.07	1.6	18	8	6	16	sw.	Mrs. Edith L. Boyer.							
Dayton.	Montgomery.	790	30	49.3	- 2.4	79	6	21	2	35	4.39	+ 1.74	0.75	4.2	22	9	10	11	n.	Prof. L. L. Hudson.							
Delaware.	Delaware.	927	14	47.8	- 0.6	77	30	16	1	40	4.34	+ 1.58	0.74	3.7	17	12	6	11	s.	J. T. Dyrst.							
Demos.	Belmont.	1,325	23	47.4	- 2.6	76	6†	16	2	37	4.54	+ 1.58	0.72	0.4	16	12	8	10	sw.	Water Supply Co.							
Dennison.	Tuscarawas.	846	1	49.0	—	77	26	15	2	48	4.48	—	0.97	0.0	11	12	8	10	se.	O. A. Cory.							
Frankfort.	Ross.	750	19	50.4	- 1.3	80	6†	21	2	42	4.07	+ 0.94	0.80	0.0	15	10	9	11	nw.	S. M. Luther.							
Garretttsville.	Portage.	1,005	27	44.3	- 1.1	73	6	9	1	42	3.51	+ 0.51	0.97	2.0	18	14	0	16	e.	Dr. L. E. Davis.							
Granville.	Licking.	960	29	47.8	- 1.8	78	6	18	2	39	5.28	+ 2.43	0.88	4.5	18	12	8	16	w.	W. B. Longstreth.							
Gratiot.	do.	1,000	22	47.4	- 2.7	75	6	17	2	38	4.06	+ 1.76	0.89	4.9	18	8	14	12	w.	Mrs. Ada Jeffries.							
Green.	Adams.	500	18	52.2	- 0.5	85	6	29	10	45	5.84	+ 2.20	0.95	0.0	12	9	9	12	sw.	Prof. L. L. Hudson.							
Green Hill.	Columbiana.	1,135	17	44.4	- 2.1	75	6	13	2	43	4.02	+ 1.15	0.87	3.5	17	8	14	9	sw.	Jos. E. Bentley.							
Greenville.	Darke.	1,050	25	48.9	- 1.0	76	30	25	1†	34	4.25	+ 1.15	0.61	0.0	14	12	3	15	se.	Geo. A. Katzenberger.							
Hillsboro.	Highland.	1,063	32	50.5	- 2.1	81	6	22	2	42	5.05	+ 1.80	0.96	T.	16	7	11	12	sw.	Carey H. Roush.							
Ironton.	Lawrence.	575	24	52.9	- 0.1	84	6	22	2	44	4.90	+ 1.65	0.72	0.0	16	10	8	16	ne.	James Bull.							
Jacksonburg.	Butler.	975	43	49.1	- 2.3	78	6	22	2	40	5.06	+ 2.02	1.05	0.0	11	9	6	11	w.	Dr. J. B. Owsley.							
Kenton.	Hardin.	1,015	19	46.4	- 3.9	73	30	10	1	36	4.04	+ 0.59	1.22	2.0	11	9	11	11	sw.	N. S. Martin.							
Killbuck.	Holmes.	1,087	19	47.2	- 1.5	74	7†	16	2	40	5.05	+ 2.05	0.90	2.2	20	8	15	7	se.	Lloyd C. Schonauer.							
Lancaster.	Fairfield.	898	16	50.1	- 0.4	80	6	21	2	37	4.47	+ 1.50	0.82	T.	13	12	3	15	nw.	R. L. Renshaw.							
McConnelsville.	Morgan.	710	27	48.3	- 2.5	80	6	16	2	40	4.73	+ 1.63	1.15	2.3	14	8	10	12	s.	C. H. Morris.							
Marietta.	Washington.	627	91	52.0	- 1.3	80	6†	20	2	39	4.46	+ 1.08	0.85	0.5	16	7	9	14	sw.	Prof. T. D. Biscoe.							
Marion.	Marion.	980	33	48.6	- 1.0	77	6	15	2	41	4.71	+ 1.78	1.15	4.2	17	12	6	13	sw.	Dr. E. H. Raffensperger.							
Millfordton.	Knox.	1,200	19	46.6	- 0.7	73	26†	16	1	37	4.25	+ 1.31	1.27	6.0	15	11	13	6	sw.	L. H. Burgess.							
Milligan.	Perry.	875	18	48.8	- 1.4	83	6	15	2	44	4.18	+ 1.14	0.77	—	14	8	15	7	sw.	V. C. Eveland.							
Millport.	Columbiana.	1,145	18	45.5	- 2.6	75	6	16	2	41	4.13	+ 1.05	0.65	0.6	16	6	14	10	sw.	G. F. Copeland.							
Nellie.	Coshocton.	850	11	46.8	- 2.6	74	30	17	1	39	3.81	+ 0.81	1.00	T.	9	9	14	7	sw.	Miss Ethel L. Gamertfelder.							
New Alexandria.	Jefferson.	1,050	26	47.9	- 2.3	75	6†	15	2	38	5.82	+ 2.27	1.65	6.0	13	14	7	9	n.	Mrs. Mary K. Pennell.							
New Berlin.	Stark.	1,100	18	46.6	- 1.1	83	29	15	2	38	3.80	+ 0.49	0.67	1.7	17	15	3	12	s.	Clayton Hall.							
New Waterford.	Columbiana.	1,053	18	45.8	- 1.0	73	30	16	1	41	6.73	+ 3.54	2.10	6.0	13	14	10	12	sw.	Sam. C. Scott.							
University.	Franklin.	737	28	48.4	- 1.5	79	6	22	2	37	4.70	+ 1.83	0.73	2.1	16	8	11	13	sw.	Prof. H. C. Lord.							
Pataskala.	Licking.	1,015	19	47.6	- 2.1	79	6	17	2	39	5.54	+ 2.29	1.01	4.0	22	6	16	8	se.	J. N. Ridenour.							
Peebles.	Adams.	645	1	49.6	—	82	6	23	2†	46	5.91	—	1.63	0.0	17	11	6	13	e.	Ora O. Smalley.							
Philo.	Muskingum.	1,018	16	48.9	- 1.8	80	6	20	2	38	4.03	+ 0.98	0.78	3.1	14	7	12	11	sw.	L. C. Burkholder.							
Piqua.	Miami.	847	1	47.8	—	80	6	20	2	38	5.13	—	1.43	0.5	13	12	3	15	ne.	F. E. Stewart.							
Plattsburg.	Clark.	1,130	18	47.8	- 2.3	76	6	18	1	36	5.81	+ 3.18	0.80	5.0	14	9	12	9	s.	F. E. Stewart.							
Portsmouth.	Scioto.	527	80	52.0	- 3.6	84	6	30	1	43	5.52	+ 2.28	1.13	0.0	17	6	5	19	sw.	Dr. H. A. Schirrmann.							
Prospect.	Marion.	909	1	47.8	—	79	6	17	2	39	5.74	+ 3.27	0.97	—	17	8	15	7	sw.	Neil J. Gast.							
Ritman.	Wayne.	990	19	45.4	- 1.1	74	6†	17	1	39	4.15	+ 1.81	1.00	2.5	18	6	6	10	w.	B. G. Gish.							
Shenandoah.	Richland.	1,100	19	45.4	- 1.6	74	6	16	2	36	3.69	+ 0.62	1.10	3.2	16	7	14	9	sw.	T. B. Arnett.							
Sidney.	Shelby.	935	28	48.8	- 1.1	77	30	23	2	37	3.89	+ 0.92	0.98	2.2	14	9	7	14	nw.	Hamline B. Blake.							
Somerset.	Perry.	1,060	12	49.0	- 1.2	79	6	20	2	37	4.61	+ 1.29	0.85	3.0	16	11	10	9	n.	Miss M. W. C. Sheridan.							
Springfield.	Clark.	980	17	46.0	—	79	6	17	2	39	5.74	+ 3.27	0.97	—	17	8	15	7	sw.	W. A. Webster.							
Summerfield.	Noble.	1,187	5	48.8	—	79	6	18	2	43	4.17	—	0.71	5.0	18	6	15	9	sw.	H. R. McClintock.							
Syracuse.	Metts.	583	1	51.8	—	83	6	19	2	43	4.09	+ 1.68	1.10	T.	9	7	11	12	sw.	E. G. Campbell.							
Thurman.	Gallia.	696	18	51.8	- 2.0	83	6	19	2	43	4.40	+ 1.28	0.87	2.8	16	6	17	7	sw.	D. D. Thomas.							
Urbana.	Champaign.	1,031	43	48.4	- 0.5	78	6	16	1	41	4.40	+ 1.28	0.87	2.8	17	5	12	sw.	Prof. J. H. Williams.								
Warren.	Trumbull.	900	22	45.3	- 1.5	75	28†	15	1	40	4.00	+ 1.40	0.83	3.0	17	13	5	12	sw.	M. D. McCorkle.							
Waverly.	Pike.	590	28	50.6	- 2.5	84	6	23	2	45	4.88	+ 1.65	1.38	T.	17	14	3	13	s.	Herrmann A. Lorbach.							
Waynesville.	Warren.	700	26	49.6	- 0.4	78	6	23	2	38	4.88	+ 1.82	0.59	0.0	17	5	15	8	w.	Charles Michener.							
Wooster.	Wayne.	1,030	33	46.4	- 1.3	77	6	16	2	40	3.71	+ 1.20	0.86	3.0	17	9	7	14	sw.	Experiment station.							
Youngstown.	Mahoning.	846	18	48.4	—	84	6	24	3	36	4.90	+ 2.65	1.10	2.0	16	18	6	12	w.	G. R. Patton.							
Zanesville.	Muskingum.	700	24	—	—	—	—	—	—	—	4.55	+ 2.03	0.80	3.0	17	12	1	17	nw.	S. G. Sprague.							
Virginia.																											
Big Stone Gap.	Wise.	1,540	20	54.0	+ 0.2	79	6	26	2	37	7.77	+ 3.85	2.10	0	10	7	12	11	w.	John W. Fox, sr.							
Blacksburg.	Montgomery.	2,170	20	47.4	- 2.8	77	6	22	2	39	5.63	+ 2.70	1.40	0	16	4	12	14	e.	Agrl. Experiment Sta.							
Burkes Garden.	Tazewell.	3,250	16	44.8	- 2.6	71	6	16	2	40	5.80	+ 1.92	1.35	0	11	8	3	19	w.	C. H. Greer.							
Elk Knob.	Lee.	3,243	8	52.6	—	76	6†	25	1	40	7.48	—	2.10	0	14	11	6	13	sw.	Henry Nicoll.							
Ivanhoe.	Wythe.	2,028	7	47.8	—	74	6	26	2	32	4.49	—	1.17	0	16	10	11	9	w.	Miss Alice G. Jewett.							
Lebanon.	Russell.	2,131	1	51.4	—	77	6	21	1	40	3.61	—	0.75	0	11	11	3	16	sw.	R. W. Swain.							
Max Meadows.	Wythe.	2,028	2	47.6	- 3.7	75	29	24	1†	36	4.18	+ 0.90	0.72	0	13	12	6	12	w.	James M. Graham.							
Mendota.	Washington.	1,350	2	47.6	—	75	6	23	2	38	3.77	—	0.80	0	14	12</td											

TABLE 1.—Climatological data for April, 1911. District No. 3—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.				Prevailing wind direction.	Observers.															
				Mean.			Departure from the normal.			Highest.			Lowest.			Date.			Greatest daily range.			Total.			Departure from the normal.			Greatest in 24 hours.			Total snowfall, unmeted.			Number of rainy days, .01 inch or more.		
<i>Alabama.</i>																																				
Bridgeport.	Jackson.	660	11	60.0	-1.7	85	6	33	1	41	10.54	+ 6.39	3.28	0	13					w.	R. L. Moore.															
Decatur.	Morgan.	573	29	60.0	+ 1.2	85	37	40	1	29	13.57	+ 9.33	3.30	0	15	16	0	14	s.	Ernest A. Carriger.																
Florence.	Lauderdale.	563	27	62.2	+ 1.6	86	6	38	27	37	11.33	+ 6.88	2.60	0	11	13	0	17	e.	Robt. E. Coburn.																
Guntersville.	Marshall.	580	1	60.4	-1.6	85	6	35	1	40	14.00	+ 9.89	3.50	0	13	10	5	15	e.	L. S. Long.																
Madison.	Madison.	573	17	59.0	-1.6	85	6	36	1	40	10.92	+ 6.68	3.05	0	12	14	9	7	se.	Albert Kish.																
Riverton.	Colbert.	360	14	58.7	+ 0.1	89	6	39	27	36	12.35	+ 7.81	4.14	0	11	7	4	19	e.	Ernie J. Moore.																
Scottsboro.	Jackson.	653	28	60.6	+ 0.5	85	6	36	1	40	11.58	+ 7.10	2.69	0	12	5	9	16	w.	H. A. Caldwell.																
Tuscumbia.	Colbert.	488	29	59.7	-1.3	85	6	36	1	40	11.58	+ 7.10	2.69	0	11	9	3	18	se.	Samuel Moore.																
<i>Tennessee.</i>																																				
Ashwood.	Maury.	725	32	57.6	-0.7	84	6	30	1	40	6.89	+ 3.14	2.40	0	11	6	13	11	s.	Mrs. J. W. Fleming.																
Benton.	Polk.	880	28	59.0	-0.4	84	6	30	2	42	7.28	+ 3.14	1.85	0	11	11	1	12	s.	G. L. Williams.																
Bird's Bridge.	Greene.	5									5.43		1.50	0	16	14	1	15	e.	D. B. George.																
Bluff City.	Sullivan.	14									4.69	+ 1.56	0.96	0	11	8	8	14		J. W. Fisher.																
Byrdstown.	Pickett.	1,026	18	58.2	+ 1.8	84	6	27	1	36	7.82	+ 3.28	2.55	0	11	6	10	14	s.	John Lacy.																
Carthage.	Smith.	500	27	58.4	-0.2	85	6	28	1	43	6.52	+ 2.33	1.27	0	13	10	2	18	se.	E. C. Pickering.																
Cedar Hill.	Robertson.	625	11	58.1	+ 0.5	85	6	29	1	41	7.39	+ 2.74	1.90	0	14	13	8	9	s.	J. F. Ruffin.																
Celina.	Clay.	494	8								7.92		1.65	0	13	11	4	15	s.	S. B. Anderson.																
Center Point.	Chester.	400	14								11.02	+ 7.90	2.50	0	8	14	1	15	s.	H. H. Bailey.																
Charleston.	Bradley.	709	14								8.35	+ 3.47	2.20	0	13	8	4	18	s.	J. T. Weeks.																
Chattanooga.	Hamilton.	808	32	59.3	-0.7	85	6	39	9	34	15.29	+ 10.90	6.60	0	13	8	7	15	s...	U. S. Weather Bureau.																
Clarksville.	Montgomery.	500	48	58.1	+ 0.4	84	6	30	1	41	7.21	+ 2.52	2.02	0	13	14	7	9	n.	Prof. James A. Lyon.																
Clinton.	Anderson.	800	23								9.70	+ 5.45	2.05	0	13	14	0	16	ne.	John Thompson.																
Dandridge.	Jefferson.	7									6.12		1.90	0	11	16	0	14	e.	J. E. Swann.																
Decatur.	Meigs.	850	15	57.8	0.0	83	6	29	2	41	10.39	+ 5.36	4.13	0	13	13	5	12	sw.	J. W. Lillard.																
Dickson.	Dickson.	800	15	57.3	-0.5	84	6	27	1	41	7.73	+ 2.82	2.45	0	11	14	4	12	s.	N. R. Sugg.																
Dover.	Stewart.	500	16	59.0	+ 0.6	85	37	28	1	40	7.83	+ 3.99	2.43	0	11	7	12	11	s.	A. M. Tippit.																
Dunlap.	Sequatchee.	726	23	57.8		87	29	31	2	41	10.10		4.25	0	14	11	6	13		S. B. Boyd.																
Elizabethhton.	Carter.	1,575	21								3.64	+ 0.26	1.01	0	11	18	0	12	e.	Chas. Boyd.																
Erasmus.	Cumberland.	1,850	14	54.2	+ 1.6	82	6	24	1	43	9.54	+ 4.07	3.75	0	14	9	10	11	se.	Mrs. E. D. Ashley.																
Florence.	Rutherford.	580	29	57.6	-1.3	83	6	30	1	37	7.02	+ 2.88	2.52	0	13	12	9	9	s.	Erastus P. Bell.																
Franklin.	Williamson.	648	21	57.8	-0.1	83	6	31	1	40	7.03	+ 2.02	1.47	0	13	13	6	11		Y. M. Rizer.																
Hall's Hill.	Rutherford.	9									7.04		1.45	0	9	12	1	17	s.	Ed. F. Wright.																
Harriman.	Roane.	841	16	58.0	+ 0.5	82	3	30	2	40	11.97	+ 7.45	4.00	0	11	6	17	7	s...	Robert R. Ayres.																
Hohenwald.	Lewis.	983	25	58.4	+ 0.2	85	6	29	1	48	8.83	+ 4.14	2.78	0	12	8	13	9	s.	John Lutzelman.																
Iron City.	Lawrence.	600	14	59.6	+ 0.9	86	6	33	2	43	10.22	+ 5.30	4.33	0	12	0	26	4	sw.	Capt. H. P. Seavy.																
Jefferson City.	Jefferson.	1,607	1								7.55		1.91	0	13						Calvin Maddox.															
Johnson City.	Washington.	1,607	1	54.2	-0.7	82	6	25	2	38	4.06	+ 0.37	0.99	0	14	12	3	15	w.	Ward Crosby.																
Knoxville.	Humphreys.	304	15	59.2	+ 0.6	85	37	28	1	39	9.16	+ 4.56	2.99	0	12	8	8	14	s.	Miss Sallie B. Matthews.																
Knoxville.	Roane.	20									11.00	+ 6.82	3.96	0.2	15	9	0	21	n.	H. Crumbliss.																
Lebanon.	Wilson.	522	2	58.4		84	6	30	1	39	6.44		1.76	0	12	8	6	16	n.	Logan Fields.																
Lewisburg.	Marshall.	727	16	58.4	+ 0.4	85	6	31	2	42	7.66	+ 3.57	2.98	0	13	12	9	9	se.	Dr. R. D. Crutcher.																
Livingston.	Overton.	1,000	1	56.8		83	6	21	2	46	7.79		2.20	0	14	18	0	12	s.	Livingston Academy.																
Loudon.	Loudon.	816	8								7.94	+ 3.79	2.43	T.	13	11	2	17	w.	Robert W. Clark.																
Lynnhurst.	Giles.	770	23	58.0	-0.1	81	37	35	1	35	8.63	+ 3.90	3.37	0	12	12	10	8	s.	Col. J. H. Burrow.																
McGhee.	Monroe.	7									6.35		2.00	0	12	15	0	15	s.	Miss Alice L. Headrick.																
McMinnville.	Warren.	1,011	27	57.0	-0.9	84	6	30	1	37	9.98	+ 4.83	4.95	0	13	12	3	15	sw.	W. T. Broyles.																
Maryville.	Blount.	1,050	15	58.2	+ 0.9	82	6	29	3	40	8.52	+ 4.39	2.28	0	11	14	8	8	w.	E. E. Barry.																
Mountain City.	Johnson.	2,486	14	50.8	+ 0.6	80	6	19	2	42	6.25	+ 2.80	1.47	0	11	15	8	7	sw.	U. S. Weather Bureau.																
Nashville.	Davidson.	654	20	58.3	-0.9	85	6	31	1	33	5.11	+ 0.75	1.29	0	12	6	12	12	se.	Dr. C. T. Burnett.																
Newport.	Cocke.	1,280	21								5.96	+ 2.37	1.20	0	13	13	6	11	s.	Burl W. Buttram.																
New River.	Scott.	1,215	4								8.38		2.61	0	12	14	2	14	sw.	Miss Carrie Cash.																
Palmetto.	Bedford.	770	18	58.2	-0.7	83	6	30	1	40	7.73	+ 3.36	3.75	0	11	10	6	14	sw.	Miss Bessie Howard.																
Pinewood.	Hickman.	4	57.8								7.80		2.50	0	9						Fred Beal.															
Pope.	Perry.	400	14	60.6	+ 2.4	90	6	32	1	45	10.74	+ 6.81	3.50	0	8	8	17	5	s.	S. G. Wilson.																
Rogersville.	Hawkins.	1,150	26	58.4	-0.7	81	6	25	1	39	6.07	+ 2.51	1.24	0	13	10	9	11	w.	W. F. Bell.																
Rugby.	Morgan.	1,410	23	54.2	-0.2	82	6	23	1	45	11.73	+ 7.09	3.70	0	15	6	10	14	sw.	W. F. Watson.																
Savannah.	Hardin.	423	27																																	
Sevierville.	Sevier.	561	2								6.09		1.34	0	14	8	6	16	sw.	H. O. Eckel.																
Sewanee.	Franklin.	2,000	15	58.8	+ 3.2	81	6	32	9	38	8.33	+ 3.88	3.30	0	6	7	4	19	s.	A. H. Noll.																
Sparta.	White.	930	5	56.8		82	3	28	1	43	7.57		2.40	0	10	8	8	14	w.	E. H. Hull.																
Springdale.	Claiborne.	1,058	21	59.2	+ 2.7	83	3	28	23	41	8.45	+ 4.63	1.75	0	15	12	2	16	w.	Mrs. Lucy E. Breeding.																
Springville.	Henry.	377	8	58.2		84	6	26	1	38	8.42		3.03	0	12	17	4	9	s.	H. A. Boden.																
Tazewell.	Claiborne.	14									7.25		1.30	0	12	10	4	16	n.	J. C. Carr.																
Tullahoma.	Coffee.	1,075	23	58.1	+ 0.8	84	37	32	1	39	8.99	+ 4.34																								

TABLE 1.—Climatological data for April, 1911. District No. 3—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.						
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.													
Kentucky—Continued.																											
Marion.	Crittenden.	16	56.4	— 0.5	80	3†	33	1†	30	8.80	+ 4.90	2.50	0	10	8	10	12	se.	B. C. Parls.								
Maysville.	Mason.	14	51.2	— 2.1	84	6	22	2	45	6.49	+ 2.99	1.27	0	16	14	3	13	se.	Mrs. Mary D. Marsh.								
Middlesboro.	Boyle.	1,128	57.2	+ 1.4	82	7	30	2	40	10.12	+ 5.81	2.95	0	11	16	10	4	se.	B. H. Perkins.								
Mount Sterling.	Montgomery.	21	52.0	— 1.4	80	6	26	1	36	5.87	+ 2.22	0.78	0	13	7	8	15	se.	James O'Connell.								
Owensboro.	Daviess.	15	54.8	+ 0.1	81	6	31	1	36	8.29	+ 3.96	2.30	T.	13	8	3	19	se.	Henry S. Berry.								
Owenton.	Owen.	700	51.8	— 2.0	79	6	27	2	36	6.98	+ 0.56	0.90	T.	8	5	15	10	s.	J. T. Walker.								
Paducah.	McCracken.	341	22							6.71	+ 2.66	1.64	0	12	17	0	13	s.	S. A. Fowler.								
Paintsville.	Johnson.	0																		R. L. Atkinson.							
Pikeville.	Pike.	3																		I. M. Williams.							
Richmond.	Madison.	19	53.4	— 1.8	81	6	26	1	34	6.06	+ 2.83	1.21	0	16	9	4	17	se.	J. W. Crooke.								
St. John.	Hardin.	777	52.8	— 1.8	82	6	27	1	40	7.55	+ 3.56	2.00	0	15	15	0	15	se.	Bethlehem Academy.								
Scott.	Kenton.	13	51.8	+ 0.1	82	6	24	2	41	6.68	+ 4.15	1.24	0.3	18	6	10	14	s.	E. B. Wilson.								
Shelby City.	Boyle.	1,087	52.4	— 1.9	82	6	31	2	44	6.65	+ 3.40	2.50	0	14	6	14	10	nw.	W. E. Grubbs.								
Shelbyville.	Shelby.	759	53.6	— 1.3	81	6	28	1	39	5.53	+ 2.50	0.92	0	14	7	13	ne.	C. R. Burnett.									
Taylorsville.	Spencer.	489	9	52.6	82	6	24	2	43	6.73		1.07	0	16	10	14	10	w.	E. D. Bourne.								
Williamsburg.	Whitley.	939	15	54.1	— 0.9	83	6	24	2	44	8.03	+ 4.30	2.45	T.	13	12	1	17	w.	Noble C. Jones.							
Williamstown.	Grant.	943	9	50.0	81	6	25	2	41	6.67		1.81	T.	15	16	3	11	se.	Mrs. Sarah E. Carter.								
Indiana.																											
Anderson.	Madison.	892	16	49.9	— 0.9	75	30	25	2	34	4.50	+ 1.27	0.88	0.8	15	11	8	13	sw.	W. H. H. Stanton.							
Attica.	Fountain.	522	1							3.35		0.48	2.0	13						Robt. E. Ray.							
Bloomington.	Monroe.	744	16	50.4	— 0.3	75	26	36	1†	35	7.36	+ 4.12	1.70	T.	14	12	5	13	se.	Earl E. Ramsey.							
Bluffton.	Wells.	835	16	49.4	— 0.4	77	6	23	1	48	4.40	+ 1.33	1.03	5.0	15	12	6	12	se.	Tom R. Johnston.							
Buterville.	Jennings.	767	26	51.0	— 2.6	82	6	24	2	42	9.56	+ 6.03	1.47	1.4	21	10	8	12	w.	C. F. Hole.							
Cambridge City.	Wayne.	941	20	47.9	— 1.6	78	6	23	2	43	5.57	+ 2.19	0.80	0	14	14	0	16	se.	Charles Lemberger.							
Columbus.	Bartholomew.	632	28	50.7	— 1.6	80	6	24	2	42	6.47	+ 3.43	1.63	T.	13	10	2	18	w.	John A. Perry.							
Connersville.	Fayette.	769	29	50.4	— 0.7	77	6	22	2	42	4.39	+ 1.07	0.58	0	12	4	19	7	sw.	H. T. Swindler.							
Crawfordsville.	Montgomery.	780	1	50.4	— 0.3	75	26	24	1	34	5.85		1.00	2.0	11	11	4	15	sw.	P. H. Burns.							
Delphi.	Carroll.	668	26	49.1	— 0.7	75	26	25	1	38	4.12	+ 0.84	0.87	2.0	13	7	3	10	w.	L. A. Higginbotham.							
Eminence.	Morgan.	782	5	48.1	— 0.2	72	30	23	1†	33	5.70		0.2	0	14	7	13	10	ne.	E. E. Kelso, M. D.							
Evansville.	Vanderburg.	386	35	55.0	— 1.4	79	6	34	1	39	9.39	+ 5.93	2.33	0	14	7	13	10	sw.	U. S. Weather Bureau.							
Farmersburg.	Sullivan.	13	50.8	— 1.2	74	26	28	2	34	5.93	+ 3.14	1.69	0	15	4	19	7	se.	Maurice Yeager.								
Farmland.	Randolph.	1,101	29	48.0	— 2.2	75	30	26	1	31	4.51	+ 1.21	0.90	0.5	15	13	0	17	se.	W. J. Davison.							
Greenfield.	Hancock.	905	8	50.0	— 0.7	72	30	27	1†	32	3.23		0.85	1.0	13	0	19	11	se.	Prof. W. C. Goble.							
Greensburg.	Decatur.	954	15																	Chas. H. Ewing.							
Huntingburg.	Dubois.	462	3	54.5	— 0.8	80	6	28	1†	39	9.44		1.50	0	16					H. Dufendach.							
Huntington.	Huntington.	741	18	48.5	— 1.4	75	27	24	2	33	4.31	+ 1.42	1.30	4.3	15	12	5	13	e.	Chas. McGrew.							
Indianapolis.	Marion.	822	40	50.6	— 1.8	73	30	28	1	33	4.77	+ 1.30	1.50	1.2	14	4	13	13	s.	U. S. Weather Bureau.							
Jeffersonville.	Clark.	455	29	53.8	— 2.0	83	6	28	2	34	5.32	+ 1.48	0.90	0	16	10	6	14	w.	John C. Loomis.							
Judyville.	Warren.	4	47.4	— 0.7	74	30	22	1†	38	4.38		1.24	1.0	8	9	13	12	13	sw.	Dale R. Warrick.							
Kokomo.	Howard.	840	19	48.3	— 2.7	73	30	25	1†	33	4.54	+ 1.34	1.03	2.7	12	6	11	13	sw.	P. H. Robertson.							
Lafayette.	Tippecanoe.	617	32	49.4	— 1.0	72	29†	26	1	31	3.82	+ 0.45	0.89	1.0	14	12	4	12	sw.	Wm. J. Jones, Jr.							
Logansport.	Cass.	620	31	49.6	— 1.2	77	26†	25	1†	42	4.21	+ 2.1	0.94	0.69	0	13	12	5	13	sw.	Chas. Massena.						
Madison.	Jefferson.	460	19	54.0	— 0.8	79	26	26	2	42	6.85	+ 3.62	1.55	0	14	7	17	6	se.	Dr. J. Cooperider.							
Marengo.	Crawford.	363	29	52.7	— 2.7	81	6	24	2	38	7.16	+ 2.11	1.23	0	13	9	8	13	w.	J. M. Johnson.							
Marion.	Grant.	814	25	48.6	— 2.1	74	26	24	2†	38	4.16	+ 0.85	0.66	3.2	13	12	5	13	s.	James F. Hood.							
Mauzy.	Rush.	980	31	48.0	— 2.1	75	6	22	2	37	4.78	+ 1.59	1.78	1.9	15	4	12	14	sw.	Elwood Kirkwood.							
Monticello.	White.	674	1																	J. E. Loughry.							
Moore's Hill.	Dearborn.	980	10	50.8	— 1.7	80	6	26	2	40	7.00		1.13	0	16	10	4	16	sw.	W. S. Bigney.							
Mount Vernon.	Posey.	410	25	54.2	— 1.7	80	6	29	1	37	6.92	+ 2.40	2.92	0	13	12	5	13	n.	Guy B. Green.							
Paoli.	Orange.	611	14	52.2	— 1.1	82	6	24	2	37	5.79	+ 2.45	1.51	0	15	8	12	10	sw.	James A. Gillum.							
Princeton.	Gibson.	481	29	54.0	— 0.4	79	6	29	1	36	6.30	+ 2.99	1.64	0	11	13	1	16	sw.	Albert Mills.							
Richmond.	Wayne.	973	26	48.0	— 2.1	78	6	20	2	38	7.16	+ 2.11	1.23	0	13	9	8	13	sw.	Walter Vossler.							
Rochester.	Fulton.	775	6	48.4	— 2.7	72	27†	26	1†	28	3.61		0.86	3.5	13	10	5	13	sw.	G. P. Keith.							
Rockville.	Parke.	723	25	48.6	— 3.7	74	6	26	1	34	4.38	+ 0.79	0.89	T.	15	10	4	16	s.	Dr. W. N. Wirt.							
Rome.	Perry.	370	8	55.6	— 2.7	82	6	27	1	39	7.24		2.02	0	14	12	5	13	w.	Adam Ansprach.							
Salamonia.	Jay.	6	47.4	— 0.7	74	30	18	1	38	4.17		1.07	0.5	13	5	4	21	ne.	Chas. V. Skinner.								
Salem.	Washington.	717	18	51.4	— 1.6	82	6	25	2	43	6.15	+ 2.83	1.50	T.	15	7	10	13	sw.	Emmet S. Allen.							
Scottsburg.	Scott.	570	17	54.6	— 0.0	81	6	30	2	36	7.31	+ 4.35	1.50	0	15	9	5	16	sw.	Frank H. Park.							
Seymour.	Jackson.	610	24	52.8	— 1.1	78	26	26	2	41	6.88	+ 3.45	1.46	0	15	6	18	6	se.	J. Robt. Blair.							
Shelbyville.	Shelby.	768	7	50.0	— 0.7	74	6	25	2	35	5.40		0.91	T.	17	5	17	8	se.	Edgar G. Hodson.							
Shoals.	Martin.	523	4																	Oliver H. Greist.							
Terra Haute.	Vigo.	498	21	53.2	— 0.8	74	26	29	1	37	6.87	+ 3.19	2.40	0	14	12	3	15	sw.	Prof. R. G. Gillum.							
Veedersburg.	Fountain.	612	12	50.8	— 0.7	74	10†	24	1	35	3.59	+ 0.97	0.82</td														

TABLE 2.—*Daily precipitation for April, 1911. District No. 3, Ohio Valley.*

TABLE 2.—*Daily precipitation for April, 1911. District No. 8—Continued.*

Stations.	Watershed.	Day of month.																												Total.						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
<i>Ohio.</i>																																				
Amesville.....	Ohio.....	.30	.60	.29	.20	.18	.35	.13	.87	.03	.32	.21	.12	.10	.T.	.05	.09	T.	.05	.09	3.83															
Bangorville.....	Muskingum.....	.15	T.	.15	.55	.50	.18	.15	.67	.43	.27	T.	.07	.08	.97	.25	.02	.46	.T.	.38	.30	5.56														
Bellefontaine	Great Miami.....	.04	T.	.28	.11	.53	T.	.05	.56	.31	.04	.14	.59	.33	.T.	.19	.59	3.80																		
Bladensburg.....	Muskingum.....	T.	.10	.10	.50	.25	.38	.37	.34	.10	.T.	.02	.10	.06	.20	.T.	.04	.12	3.68																	
Cadiz.....	Ohio.....	.06	T.	.13	.50	.09	T.	.73	.22	.20	.43	.02	.54	.08	T.	.06	.05	.09	.19	.23	T.	T.	.17	.36	4.74											
Cambridge.....	Muskingum.....	T.	.22	.49	.08	.26	.30	.20	T.	.44	.17	.74	.26	.T.	.35	.06	.07	.20	.T.	.70	3.80															
Camp Denison.....	Ohio.....	.01	.05	.55	.35	.23	.18	.08	.06	.48	.99	.31	.T.	.T.	.35	.06	.07	.20	.T.	.61	.60	T.	.58													
Canal Dover.....	Muskingum.....	T.	.35	.45	.30	.15	.27	.62	.06	.27	.10	.68	.20	T.	.35	.05	.09	.14	.T.	.09	.55	4.49														
Canton	do.....	.06	.07	.08	.25	.47	.01	.20	.31	.20	.40	.21	.19	.11	.01	.12	.07	.16	.T.	.09	.34	4.35														
Cardington.....	Scioto.....	T.	.14	T.	.10	.18	T.	.13	.11	.38	.34	.18	.03	.04	.96	.44	.T.	.77	.82	3.50																
Chillicothe	do.....	.13	.40	.25	.14	.13	.58	.05	.79	.10	.05	.55	.20	.03	.26	.04	.22	.T.	.10	.12	5.23															
Cincinnati.....	Ohio.....	.66	.20	.34	.28	.20	.08	.31	.11	.18	.38	.20	.05	.06	.07	.64	.22	.T.	.01	.21	5.01															
Circleville	Scioto.....	T.	.42	.47	.29	.40	.07	.50	.08	.04	.08	.06	.05	.21	.30	.23	.02	.02	T.	.03	.20	4.46														
Clarington.....	Ohio.....	.05	.30	.45	.30	.30	.06	.40	.45	.10	.60	.20	.05	.75	.02	.21	.01	.04	.20	.50	4.37															
Columbus.....	Scioto.....	T.	.08	.18	.52	.14	.20	.06	.20	.38	.46	.35	.02	.04	T.	.75	.02	.21	.01	.18	.40	4.99														
Coshocton	Muskingum.....	.05	.13	.12	.50	.30	.22	.58	.55	.50	.10	.08	.01	.02	.00	.25	.T.	.13	.57	1.07	5.87															
Dayton	Great Miami.....	.01	.41	.49	.08	.02	.15	.48	.06	.62	.07	.02	.22	.38	T.	.22	T.	T.	.13	.44	4.39															
Delaware.....	Scioto.....	.06	.30	.06	.48	.49	T.	.04	.04	T.	.50	.34	.25	.04	T.	.07	.75	.06	.25	.07	T.	.13	.44	4.39												
Demos.....	Ohio.....	.04	.09	.05	.48	.14	.04	.37	.24	.23	.39	.02	.74	.24	.08	.09	T.	.42	.09	.13	.26	.03	T.	.17	.50	4.84										
Dennison.....	Muskingum.....	.05	.11	.71	.25	.43	.11	.20	.44	T.	.46	.05	.02	.72	.24	.05	.20	T.	.04	.36	4.48															
Frankfort.....	Scioto.....	.35	.51	.05	.30	.20	.10	T.	.80	.78	.38	.66	.06	.20	.17	.47	.50	T.	.34	.05	2.0															
Garrettsville.....	Mahoning.....	.04	.03	.36	.11	.19	T.	.18	.66	.06	.20	.17	.47	.50	T.	.47	.50	T.	.34	.05	1.8															
Granville	Muskingum.....	.10	T.	.40	.30	.47	.32	.15	.60	.22	.58	.17	.05	.25	.63	.34	.05	T.	.01	.12	5.23															
Gratiot.....	do.....	.05	.02	.40	.12	.07	.10	.09	T.	.43	.36	.56	.03	.89	.38	.17	T.	.67	.10	.21	5.34															
Green.....	Ohio.....	.95	.44	.10	.20	.18	T.	.12	.01	.68	.13	.15	.15	.15	.40	.13	.15	T.	.67	.10	.21	4.16														
Green Hill.....	Muskingum.....	.03	T.	.03	.49	.35	.02	.06	.13	.04	.55	T.	.26	.06	T.	.87	.19	.03	.37	T.	T.	.13	.41	4.02												
Greenville	Great Miami.....	.30	.61	.25	.20	.15	T.	.05	.46	.15	.55	.24	.48	.05	.20	.03	.16	.31	.46	4.25																
Hillsboro.....	Scioto.....	.01	.03	.45	.09	.06	.17	.21	.82	.96	.72	T.	.47	.10	.09	T.	.71	.09	.07	5.05																
Ironton.....	Ohio.....	.58	.55	.15	.49	.21	.03	T.	.60	.22	.58	.17	.05	.25	.63	.34	.05	T.	.26	.27	.28	4.90														
Jacksonburg.....	Great Miami.....	.43	.45	.15	.15	.15	.06	.40	.13	.54	T.	.06	.06	.06	.06	.06	.06	T.	.94	.52	5.06															
Kenton.....	Scioto.....	.20	T.	.28	.50	.25	.06	.40	.13	.54	T.	.06	.06	.06	.06	.06	.06	T.	.12	.23	4.04															
Killbuck.....	Muskingum.....	.08	.04	.10	.50	.30	.10	.04	.16	.90	.32	.30	.08	.08	.08	.08	.08	T.	.07	.54	5.05															
Lancaster.....	Ohio.....	T.	.48	.58	T.	.36	.08	T.	.45	.70	.30	T.	.32	.04	.14	T.	.08	.21	4.47																	
McConnelsville.....	Muskingum.....	T.	.02	.18	.70	.04	.05	T.	.20	.59	.15	T.	.67	.15	.23	T.	.21	.40	4.73																	
Marietta.....	Ohio.....	.40	.59	.24	.35	.33	.08	.62	.05	.85	.04	.34	.19	.18	.02	T.	.08	.10	4.46																	
Marion.....	Scioto.....	.26	.18	.42	.40	.06	.20	.20	.20	.45	.20	.08	.08	.1.15	.03	.03	T.	.05	.70	.42	4.71															
Millfordton.....	Muskingum.....	.07	.11	.24	.54	.25	.02	.02	.61	.28	.25	T.	.1.10	.17	.05	.12	T.	.04	.40	T.	.42	4.25														
Milligan.....	do.....	.27	.50	.11	.38	.11	.05	.04	.46	.42	.22	T.	.1.17	.77	.24	.10	T.	.06	.38	4.18																
Millport.....	Ohio.....	.08	.01	.50	.24	.05	.04	.19	.46	T.	.34	T.	.65	.30	.07	.50	.03	.06	.19	.48	4.13															
Nellie.....	Muskingum.....	T.	.1.00	.20	.75	.05	.06	T.	.40	.21	.08	T.	.00	.23	.23	T.	.23	.25	T.	.58	3.81															
New Alexandria.....	Ohio.....	.20	.10	.65	T.	.85	.55	.20	T.	.42	.12	T.	.65	T.	.30	.25	T.	T.	.58	5.82																
New Berlin.....	Muskingum.....	.05	.04	.36	T.	.20	.12	.20	.44	.07	.50	T.	.67	.05	.23	.02	T.	.08	.20	3.50																
New Waterford.....	Ohio.....	.10	T.	.30	.21	.20	* .75	T.	.35	.15	T.	* .75	* .75	.04	T.	.57	.63	6.73																		
Ohio State University.....	Scioto.....	T.	.08	.16	.73	T.	.23	.07	T.	.67	.41	.70	.02	.02	.69	.03	.19	T.	.02	.24	4.70															
Pataskala.....	Muskingum.....	.02	.15	.26	.51	.32	.03	.20	.01	.66	.69	.06	.16	.16	.09	.05	.25	T.	.01	.20	.32	5.54														
Peebles	Ohio.....	.04	.72	.44	.25	.25	.01	.13	.62	.06	.61	.63	.08	.05	.09	.45	.25	T.	.14	.56	5.91															
Philip (1).....	Muskingum.....	.06	.27	.55	.09	.45	.13	T.	.38	.07	.38	T.	.78	.15	.18	.26	T.	.45	.43	4.03																
Piqua	Great Miami.....	.06	.33	.28	.50	T.	.19	T.	.46	.31	.21	.35	T.	.54	.16	.05	T.	.45	.43	5.13																
Plattsburg.....	do.....	.20	.10	.24	.78	.53	T.	.10	T.	.66	.50	.22	T.	.80	.38	.0																				

TABLE 2.—*Daily precipitation for April, 1911. District No. 9—Continued.*

TABLE 2.—*Daily precipitation for April, 1911. District No. 3—Continued.*

* Precipitation included in that of the next measurement.

Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—*Maximum and minimum temperatures at selected stations for April, 1911. District No. 3, Ohio Valley.*

Date	Pennsylvania.				West Virginia.										Ohio.													
	Greenville.		Pittsburg.		Charleston.		Elkhorn.		Elkins.		Glenville.		Huntington.		Morgan- town.		Parkers- burg.		Wheel- ing.		Canton.		Cincin- nati.		Colum- bus.		Dayton.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	39	13	35	23	47	32	45	26	37	23	40	28	50	29	38	26	42	27	41	28	38	27	43	32	37	26	39	27
2....	37	18	38	22	52	25	54	22	43	18	51	18	52	21	43	16	45	21	47	19	42	22	48	20	42	25	46	21
3....	48	23	38	30	52	33	56	36	37	32	46	31	50	36	39	25	38	33	44	31	42	26	44	34	39	31	46	31
4....	42	32	51	35	67	47	58	37	59	36	62	40	69	37	52	29	66	38	69	33	59	30	66	40	61	36	64	32
5....	65	40	69	50	74	59	66	44	67	55	72	58	72	40	70	51	73	43	62	38	64	47	61	45	58	45	58	45
6....	72	41	78	44	83	46	78	45	79	45	83	43	84	42	78	46	82	47	81	44	76	42	82	40	79	39	79	42
7....	69	34	50	36	82	42	77	42	72	41	80	43	52	42	68	39	65	41	60	39	54	36	50	38	48	34	50	34
8....	46	26	45	32	50	44	58	43	47	39	51	41	49	40	49	38	48	36	46	36	46	37	46	33	46	32	46	32
9....	47	28	46	31	56	36	51	34	44	28	52	37	52	35	46	32	49	36	55	34	56	31	50	33	50	30	54	29
10....	56	22	55	31	65	31	58	26	59	24	64	26	62	29	57	27	60	34	63	27	61	30	58	35	57	34	59	29
11....	62	33	60	39	68	38	58	39	59	38	68	30	68	33	61	41	64	39	73	35	64	32	62	42	63	40	64	38
12....	53	40	50	45	68	48	50	44	49	44	60	46	65	43	57	45	55	46	63	45	51	41	67	48	57	44	60	46
13....	62	43	64	47	72	55	60	47	61	48	68	42	68	50	68	47	67	51	69	46	62	42	64	52	58	51	60	48
14....	57	45	60	48	67	55	69	48	61	48	64	55	68	57	60	50	63	51	60	56	61	49	63	44	60	42	62	45
15....	55	35	54	35	64	50	64	39	54	40	61	45	62	45	56	40	57	44	62	42	56	40	59	46	55	41	55	41
16....	53	25	45	31	62	40	60	35	45	31	55	37	56	31	54	31	52	38	54	33	54	32	57	40	52	35	56	34
17....	48	15	47	35	65	47	61	34	52	36	59	40	65	45	52	38	54	42	58	36	54	34	64	42	54	38	60	34
18....	60	23	62	34	72	36	69	31	66	28	71	28	72	35	65	30	66	34	72	30	61	33	67	42	64	40	68	36
19....	55	43	61	52	70	51	68	47	55	44	63	48	65	41	60	52	62	56	64	41	66	51	59	47	61	51	55	46
20....	55	39	58	46	67	49	59	43	53	37	64	46	65	49	60	45	60	47	66	46	62	42	63	48	59	43	62	46
21....	49	31	49	40	65	40	62	32	57	29	61	31	63	33	62	32	58	36	52	33	54	38	63	44	55	40	60	39
22....	46	36	45	33	56	44	55	37	47	37	52	40	55	40	54	37	49	40	51	40	44	40	50	42	45	37	49	39
23....	51	34	48	36	52	39	52	34	47	34	50	39	52	37	56	34	51	40	72	38	54	38	54	34	56	30	53	30
24....	61	31	58	38	58	35	55	30	53	29	62	30	60	34	62	29	66	32	65	30	64	34	58	39	59	37	61	29
25....	65	29	64	39	68	36	66	29	62	28	69	30	68	34	68	32	65	35	74	32	69	34	64	42	66	40	65	32
Mns..	57.2	33.3	56.3	39.9	66.3	43.9	62.0	38.4	57.2	37.1	64.1	39.7	63.8	40.3	58.7	39.4	60.4	42.0	64.0	38.5	58.7	37.8	60.9	43.4	57.8	40.3	59.9	38.7

Date	Ohio.				Virginia.				Asheville, N. C.				Decatur, Ala.				Tennessee.								Beattyville, Ky. ⁴⁵			
	Marion.		Waverly.		Big Stone Gap.		Wytheville.		Asheville, N. C.		Decatur, Ala.		Chattanooga.		Johnson City.		Knoxville.		Nashville.		Palmetto.		Sparta.		Waynesboro.		Beattyville, Ky. ⁴⁵	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	34	18	47	27	50	28	45	28	48	32	60	33	61	40	51	27	54	33	54	31	56	30	53	28	53	33	53	23
2....	40	15	52	23	56	26	53	24	60	26	77	37	70	41	59	25	68	32	70	37	73	33	72	29	74	37	70	
3....	40	30	49	34	65	39	49	35	75	42	83	42	76	55	73	35	78	45	81	60	82	58	82	56	83	56	83	
4....	54	36	67	57	63	53	58	33	57	40	78	68	68	58	64	46	05	57	68	60	73	58	74	58	66	58	73	
5....	55	44	70	36	68	54	64	52	63	47	73	42	72	54	75	53	72	55	71	55	73	60	76	58	73	59	72	50
6....	77	40	84	39	79	52	78	48	76	41	85	53	85	51	82	48	81	49	85	52	83	52	84	46	84	47	81	40
7....	66	31	55	30	75	52	64	53	79	59	80	55	79	58	73	55	75	55	72	44	75	49	75	45	74	49	75	40
8....	48	29	51	39	58	47	53	41	61	42	53	50	64	46	65	55	68	43	51	45	44	53	46	50	44	53	40	
9....	53	26	54	31	55	36	43	33	51	37	53	40	57	39	51	38	54	38	56	38	52	36	53	38	53	30	53	
10....	63	25	62	29	60	36	55	26	53	34	63	40	58	43	63	29	59	39	62	40	60	34	57	38	62	35	65	
11....	67	37	69	35	61	57	46	36	45	39	56	38	51	46	57	33	58	43	55	46	54	46	57	46	62	46	62	29
12....	67	43	60	46	67	41	52	45	54	40	69	49	66	51	71	46	72	50	67	53	70	51	72	44	65	54	69	38
13....	58	49	61	49	68	56	56	45	56	47	75	55	64	57	67	53	70	57	69	56	71	57	68	55	75	58	64	45
14....	61	43	68	54	64	55	66	54	66	55	76	65	74	61	70	57	69	63	65	70	70	75	71	75	71			

TABLE 3.—*Maximum and minimum temperatures for April, 1911. District No. 3—Continued.*

Date.	Kentucky.														Indiana.												Illinois.	
	Bowling-Green.		Earling-ton.		Greensburg.		Lexington.		Louisville.		Maysville.		Williamsburg.		Butler-ville.		Evansville.		Indianapolis.		Kokomo.		Rockville.		Worthington.		Philo.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	57	30	54	29	55	24	45	27	48	34	47	29	62	26	45	28	49	34	40	28	39	26	33	26	44	28	43	24
2....	72	28	69	31	63	24	47	27	51	32	52	25	68	24	46	24	61	34	42	29	40	25	34	28	48	27	42	27
3....	75	35	84	46	69	26	57	36	60	39	47	31	71	40	44	34	66	42	40	34	34	30	40	33	50	36	41	33
4....	67	41	68	56	65	37	69	47	69	47	68	37	68	56	66	38	68	54	65	38	58	33	62	37	68	41	63	36
5....	71	57	65	57	71	55	67	47	67	48	70	48	69	57	66	48	60	46	58	43	61	38	63	40	65	45	62	38
6....	85	45	84	45	83	40	80	43	83	41	84	39	83	51	82	40	79	40	71	38	66	38	74	40	72	42	65	36
7....	47	42	47	39	46	40	48	38	49	39	55	39	57	49	52	34	47	38	45	32	46	27	42	28	47	32	47	27
8....	52	41	54	40	52	39	46	37	51	40	52	39	55	44	48	37	52	40	46	35	46	29	41	33	52	35	49	32
9....	62	33	59	33	54	29	48	31	52	32	56	31	56	31	52	28	54	35	52	31	59	25	47	29	55	30	56	28
10....	70	34	66	33	62	31	58	34	61	38	63	29	64	29	61	31	61	38	56	36	59	25	53	35	60	37	60	30
11....	58	40	57	40	60	36	60	43	62	44	69	30	60	35	63	42	57	48	61	42	64	37	53	46	64	44	62	43
12....	70	48	72	45	74	40	67	48	70	51	66	36	73	46	67	48	52	52	68	49	65	47	64	48	70	50	70	55
13....	66	51	70	56	67	49	63	52	69	55	62	47	68	53	64	51	65	57	64	58	64	54	65	55	66	56	66	55
14....	62	55	62	49	63	54	62	46	64	44	64	50	69	56	63	44	61	47	60	46	62	43	58	45	63	48	60	39
15....	65	44	64	43	64	43	58	44	62	46	63	43	63	46	61	41	63	44	57	43	55	37	51	39	61	39	58	34
16....	68	38	69	35	65	32	56	40	64	45	60	34	56	38	62	38	65	46	58	38	55	34	58	36	63	36	63	33
17....	78	42	78	42	63	36	62	45	68	51	66	42	71	34	67	41	71	51	64	40	64	32	68	40	71	40	69	36
18....	66	47	61	47	65	40	64	46	63	50	72	33	70	37	64	45	60	54	58	48	61	42	60	50	62	49	59	43
19....	71	52	72	54	71	43	65	48	68	52	67	40	68	47	67	48	65	54	61	50	56	50	60	50	63	49	59	49
20....	76	53	72	54	67	51	62	48	66	52	65	48	65	50	65	42	69	54	64	48	64	41	57	46	67	50	65	44
21....	69	44	71	42	72	35	62	44	66	48	64	35	71	34	64	42	68	51	61	44	61	42	57	46	66	44	66	44
22....	68	45	65	45	60	32	52	40	56	45	53	39	60	40	58	38	55	45	53	38	52	34	50	35	58	39	56	34
23....	62	34	63	33	55	29	52	35	58	39	58	31	57	33	51	33	58	42	55	37	55	29	49	33	60	35	55	30
24....	68	34	66	36	60	33	54	36	58	40	62	31	62	30	58	31	60	41	58	39	60	32	52	35	60	34	58	33
25....	73	35	75	34	71	30	63	41	67	42	71	32	71	31	65	35	66	44	63	40	64	34	57	40	67	37	66	35
26....	77	43	78	45	76	35	71	46	77	48	79	35	76	36	74	45	74	49	71	46	72	39	63	46	77	42	74	40
27....	78	55	60	54	63	40	64	57	69	57	75	40	68	39	73	32	62	55	69	57	70	50	68	55	70	54	65	48
28....	65	49	72	56	65	52	61	54	65	56	62	51	71	43	61	52	67	55	59	53	63	50	61	53	69	54	62	52
29....	73	54	76	53	76	54	72	57	72	59	77	53	79	53	72	57	68	58	71	56	72	55	69	56	72	55	69	53
30....	78	57	75	59	66	55	69	59	68	62	78	55	70	59	72	58	68	60	73	59	60	72	57	72	58	72	55	65
Mns.	68.3	43.5	67.6	44.5	64.9	33.8	60.1	43.2	63.5	45.9	64.2	38.3	66.6	41.6	61.8	40.2	63.1	46.9	58.8	42.3	58.7	37.9	55.0	41.3	62.7	42.3	60.3	38.6

*, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

¶ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.